

020504  
16085Please type a plus sign (+) inside this box → PTO/SB/05 (12/97)  
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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	TUC920030111US1	Total Pages	27
First Named Inventor or Application Identifier			
Kenneth W. Boyd			U.S. PTO 10772675
Express Mail Label No.	ER540257017US		

020504

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
2.  Specification (Total Pages) 20  
(Preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Application
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3.  Drawing(s) (35 USC 113) (Total Pages) 4
4. Oath or Declaration (Total Pages) 3
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation /divisional with Box 17 completed)  
[Note Box 5 below]
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
5.  Incorporation by Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

**Commissioner for Patents**  
**ADDRESS TO:** Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

6.  Microfiche Computer Program (Appendix)
7.  Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Copy
  - b.  Paper Copy (identical to computer copy)
  - c.  Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

8.  Assignment Papers (cover sheet & document(s))
9.  37 CFR 3.73(b) Statement  Power of Attorney  
(when there is an assignee)
10.  English Translation Document (if applicable)
11.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
12.  Preliminary Amendment
13.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14.  Small Entity  Statement filed in prior application, Statement(s)  Status still proper and desired
15.  Certified Copy of Priority Document(s)  
if foreign priority is claimed
16.  Other: Express Mail Certificate

**17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.:

**18. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label 36491  
 Or Correspondence address below

NAME			
ADDRESS			
CITY	STATE	ZIP	
COUNTRY	TELEPHONE	(801) 994-4646	FAX (801) 531-1929

**Assignee Name:** INTERNATIONAL BUSINESS MACHINES CORPORATION  
**Assignee Residence:** Armonk, New York

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Please type a plus sign (+) inside this box  +

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<b>FEE TRANSMITTAL</b>		<i>Complete if Known</i>	
		Application Number	Not yet assigned
		Filing Date	February 5, 2004
		First Name Inventor	Kenneth W. Boyd
		Group Art Unit	
		Examiner Name	
<b>TOTAL AMOUNT OF PAYMENT</b>	<b>\$ 1000</b>	Attorney Docket Number	TUC920030111US1

<b>METHOD OF PAYMENT (check one)</b>		<b>FEES CALCULATION (continued)</b>																																																																																																																																																																																																																									
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Deposit Account Number: <u>09-0449</u>		<table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2520</td> <td>1812</td> <td>2520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1840*</td> <td>1805</td> <td>1840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>420</td> <td>2252</td> <td>210</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>950</td> <td>2253</td> <td>475</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1480</td> <td>2254</td> <td>740</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>2010</td> <td>2255</td> <td>1005</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>330</td> <td>2401</td> <td>165</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>330</td> <td>2402</td> <td>165</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>290</td> <td>2403</td> <td>145</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1510</td> <td>1451</td> <td>1510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive - intentional</td> <td></td> </tr> <tr> <td>1453</td> <td>1330</td> <td>2453</td> <td>665</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1330</td> <td>2501</td> <td>665</td> <td>Utility issue fee</td> <td></td> </tr> <tr> <td>1502</td> <td>480</td> <td>2502</td> <td>240</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>640</td> <td>2503</td> <td>320</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Petitions related to provisional applications</td> <td></td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td>40</td> </tr> <tr> <td>1809</td> <td>770</td> <td>2809</td> <td>385</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td></td> </tr> <tr> <td>1810</td> <td>770</td> <td>2810</td> <td>385</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td colspan="4">Other fee (specify) _____</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"><b>SUBTOTAL (1)</b></td> <td colspan="2"><b>\$ 770</b></td> <td colspan="2"></td> </tr> <tr> <td colspan="2"><b>2. 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<b>SUBMITTED BY</b>				<b>Complete (if applicable)</b>	
Typed or Printed Name	David J. McKenzie			Reg. Number	46,919
Signature				Date	Feb 5, 2004
Deposit Account User ID					

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PATENT APPLICATION  
Docket No.: TUC920030111US1

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label No.: ER540257017US

Date of Deposit: February 5, 2004

I hereby certify that this patent application in the name of Kenneth Wayne Boyd, Kenneth Fairclough Day III, Philip Matthew Doatmas, and John Jay Wolfgang for SHARED DATA MIRRORING APPARATUS, METHOD, AND SYSTEM, together with the drawings, a Declaration, Power of Attorney, and Petition, an Assignment and Recordation Form Cover Sheet, Information Disclosure Statement, PTO Form 1449, and Copies of Cited References are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,

  
\_\_\_\_\_  
David J. McKenzie  
Reg. No. 46,919  
Attorney for Applicant

Date: February 5, 2004

Kunzler & Associates  
8 East Broadway, Suite 600  
Salt Lake City, Utah 84111  
Telephone: 801/994-4646